📚 Task: Build a Comprehensive Bookstore Inventory System

Objective:

Develop a bookstore inventory system using Express.js, MySQL, and EJS views to manage books with detailed fields.

Requirements:

1. **Database Setup:**

   ○ Create a MySQL database and a table to store book information.

   ○ The table should have 5 columns to store the following details:

      ■ `id` (Primary Key, Auto Increment)

      ■ `title` (Book Title)

      ■ `author` (Book Author)

      ■ `price` (Book Price)

      ■ `published_year` (Year the Book was Published)

2. **Express Server:**

   ○ Set up an Express server to handle the following functionality:

      ■ Display a form for adding a new book.

      ■ Insert the book's details into the database upon form submission.

      ■ Display a list of all books from the database.

      ■ Edit a book's details and update them in the database.

- Delete a book from the database.

3. **Views with EJS:**

    - Use EJS templates for the following pages:

        - A form page to add a new book.

        - A list page to display all books.

        - A form page to edit existing book details.

4. **Routes to Implement:**

    - `GET /books` → Display a list of all books.

    - `GET /books/new` → Display the book form.

    - `POST /books` → Handle form submission and save the new book into the database.

    - `GET /books/:id/edit` → Display a form to edit a book's details.

    - `PUT /books/:id` → Update the book details in the database.

    - `DELETE /books/:id` → Delete the book from the database.

Deliverables:

1. A fully functional server built with Express.js.

2. MySQL database with a table containing 5 columns for book data.

3. EJS templates for the form, list, and edit pages.

4. Code repository link with a README file explaining how to set up and run the project.

Deadline:

Provide a realistic deadline for your students (e.g., 2-3 days depending on their pace).

Bonus:

Encourage students to add basic CSS styling to their pages to make them visually appealing.
 Additionally, suggest adding features like "Search by Author" or "Sort by Price" for extra challenge.